

WHAT IS CLAIMED IS:

1. A portable medicament jet spraying and injection apparatus for douching/injecting medicament of a semi-solid or liquid type into a special region of human body comprising:

a cylinder including a jet-spraying nozzle having a predetermined depth portion at the front end thereof, a loading means or container formed to receive gel typed semi-solid or liquidized medicament and a hollow portion formed adjacent the loading means surround the circumference of the jet-spraying nozzle;

a piston portion fixed on a predetermined position to seal the gel typed semi-solid or liquidized medicament to be charged into the loading means, which makes the loading means to be formed as a separate chamber; and

a push rod fitted into the cylinder spaced away in a certain distance from the piston portion and for pushing the piston portion toward the jet-spraying nozzle upon being pressed by external force.

2. The portable medicament jet spraying and injection apparatus as claimed in Claim 1, in which:

the jet-spraying nozzle includes a cutter mounted at the lower edge portion of the depth portion that is extended downward from the upper portion of the cylinder.

3. The portable medicament jet spraying and injection apparatus as claimed in Claim 1, in which:

the loading means includes a hollow space independently divided to receive the medicament of a gel typed capsule or a liquid type and to inject the medicament outward through the jet-spraying nozzle.

4. The portable medicament jet spraying and injection apparatus as claimed in Claim 1, in which:

the piston portion includes at least one groove formed around the outer circumference thereof, in which a sealing member is fitted in one groove to be movable in the cylinder and an annular projector is coupled with another groove.

5. The portable medicament jet spraying and injection apparatus as claimed in Claim 1, in which:

the push rod includes a rib projected all over from the outer circumference thereof, and the cylinder includes a stopper projected from around the inner circumference thereof, so that the rib and step portion enables the rod to be supported at a certain position of the cylinder.

6. The portable medicament jet spraying and injection apparatus as claimed in Claim 1, in which:

the piston includes a groove formed at the lower center thereof, and the push rod includes a projection corresponding to the groove, so that the piston and the push rod are coupled with each other.

7. A portable medicament jet spraying and injection apparatus for douching/injecting medicament of a semi-solid or liquid type into a special region of human body comprising:

a cap portion of various forms including a jet-spraying nozzle formed to have a predetermined depth portion at its front end, a loading means enabling gel typed semi-solid or liquidized medicament to be charged, a female engagement extended downward from the outer circumference of the loading means, in the inner portion of which a threaded portion is

formed and a membrane member is attached to seal the lower opening of the loading means and to be easy to be broken;

a cylinder body separated from the cap portion and including a threaded portion formed at its upper portion to be engaged with the coupling portion and a push rod including supporting means for supporting it to be received therein;

a piston portion pushed into the loading means from the cylinder body to enable the membrane member to be broken so that gel typed semi-solid or liquidized medicament is discharged from the loading means; and

a push rod fitted into the cylinder spaced away in a certain distance from the piston portion and for pushing the piston portion into the loading means to break the membrane member upon being pressed by external force

8. The portable medicament jet spraying and injection apparatus as claimed in Claim 7, in which:

the cap portion is constructed as various shapes such as a quadrilateral form, a semicircular form, a triangular form and a trapezoidal form.

9. The portable medicament jet spraying and injection apparatus as claimed in Claim 7, in which:

the piston portion includes a plurality of grooves formed around the outer circumference thereof, into some of which sealing members is inserted and with the others of annular projectors are coupled.

10. The portable medicament jet spraying and injection apparatus as claimed in Claim 1, in which:

the push rod includes a rib projected all over from the outer circumference thereof, and the cylinder includes a stopper projected from around the inner circumference thereof to be not separated from each other upon being assembled.